

ABSTRACT

Piezoelectric actuators having ceramic layers and electrode layers, and being provided with an outer cover layer on each
5 end face of the piezoelectric actuator. The ceramic layers and the outer cover layers each have a predetermined dielectric constant. Rapid switching of the actuator results in considerable electromagnetic interference, which must be reduced through complex measures involving the control unit or
10 electric lines. The device reduces electromagnetic interference by decreasing the interfering capacitance between the actuator and the actuator housing connected to ground electrically. The outer cover layers have a lower relative dielectric constant than the ceramic layers between the outer
15 cover layers.